

**United States Environmental Protection Agency
Region 9 Laboratory****1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 7/2/2013

Subject: Analytical Testing Results - Project R13S76
SDG: 13172A

From: Brenda Bettencourt, Director *[Signature]*
EPA Region 9 Laboratory
MTS-2

To: Kelly Manheimer
California Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Tujunga Wellfield May 2013 IDW Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Caroline Carter, CH2MHill
John Lindquist, CH2MHill

Analyses included in this report:Extractable Petroleum Hydrocarbons by
GC/FIDExtractable Petroleum Hydrocarbons by
GC/FID

Purgeable Petroleum Hydrocarbons by GC/FID

Purgeable Petroleum Hydrocarbons by GC/FID



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1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone: (510) 412-2300 Fax: (510) 412-2302

Project Manager: Kelly Manheimer	California Site Cleanup Section 3	SDG: 13172A
Project Number: R13S76	75 Hawthorne Street	Reported: 07/02/13 16:46
Project: Tujunga Wellfield May 2013 IDW Sampling	San Francisco CA, 94105	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
TJMW09-MUDW	1306056-01	Other	06/20/13 10:30	06/21/13 10:30

SDG ID 13172A

Work Order(s)

1306056



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed Method
Lab ID: 1306056-01								
Sample ID: TJMW09-MUDW								
TPH as Gasoline								
		ND	U	6.5	mg/kg	B13F130	06/21/13	06/25/13 8015C/SOP380
Purgeable Petroleum Hydrocarbons by EPA Method 8015C								
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91 %		75-119%		"	"	"
Sample ID: TJMW09-MUDW								
TPH - Diesel Range Organics								
		2.7	C1, F13, J	3	"	B13F127	06/24/13	06/25/13 8015C/SOP385
TPH - Oil Range Organics								
		ND	U	12	"	"	"	8015C/SOP385
Extractable Petroleum Hydrocarbons by EPA Method 8015B								
<i>Surrogate: Hexacosane</i>		93 %		41-148%		"	"	"



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B13F127 - 3520C CLLE - TPH - Extractable				Prepared: 06/24/13 Analyzed: 06/25/13 Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control						
Blank (B13F127-BLK1)										
TPH - Diesel Range Organics	ND	U		0.2 mg/kg						
TPH - Oil Range Organics	ND	U		0.6 "						
Surrogate: Hexacosane	0.128			"	0.150		85	41-148		
LCS (B13F127-BS1)										
TPH - Diesel Range Organics	1.4			0.2 mg/kg	1.50		94	59-110		200
Surrogate: Hexacosane	0.153			"	0.150		102	41-148		
Matrix Spike (B13F127-MS1) Source: 1306056-01										
TPH - Diesel Range Organics	27.9			3 mg/kg	29.8	2.7	85	20-153		50
Surrogate: Hexacosane	2.79			"	2.98		94	41-148		
Matrix Spike Dup (B13F127-MSD1) Source: 1306056-01										
TPH - Diesel Range Organics	25.6			3 mg/kg	29.7	2.7	77	20-153	8	50
Surrogate: Hexacosane	2.69			"	2.97		91	41-148		
Batch B13F130 - 5035 TPHG - TPH - Purgeable				Prepared: 06/21/13 Analyzed: 06/25/13 Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control						
Blank (B13F130-BLK1)										
TPH as Gasoline	ND	U		5 mg/kg						
Surrogate: a,a,a-Trifluorotoluene	46.4			"	50.0		93	75-119		
LCS (B13F130-BS1)										
TPH as Gasoline	44.8			5 mg/kg	50.0		90	56-136		200
Surrogate: a,a,a-Trifluorotoluene	43.6			"	50.0		87	75-119		
Matrix Spike (B13F130-MS1) Source: 1306056-01										
TPH as Gasoline	39.4			4.4 mg/kg	44.2	ND	89	72-108		20
Surrogate: a,a,a-Trifluorotoluene	38.1			"	44.2		86	75-119		
Matrix Spike Dup (B13F130-MSD1) Source: 1306056-01										
TPH as Gasoline	38.4			4.3 mg/kg	42.4	ND	91	72-108	2	20
Surrogate: a,a,a-Trifluorotoluene	35.6			"	42.4		84	75-119		



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Qualifiers and Comments

J The reported result for this analyte should be considered an estimated value.

F13 Fuel or Product Type: mixed or unknown

C1 The reported concentration for this analyte is below the quantitation limit.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.